

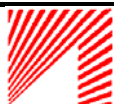
Material Declaration



Package Type	5 x 3.2
Package Size	5 x 3.2 mm
Terminal Finish	Gold
Finish Thickness	0.5 microns
Weight (mg)	53.333
MSL	1

Series	CC137
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Item	Material	Element	Content (mg)	Content (wt%)	CAS #	
Cover	Kovar	Nickel (Ni)	3.488	6.541%	7440-02-0	
		Cobalt (Co)	2.026	3.799%	7440-48-4	
		Iron (Fe)	6.511	12.208%	7439-89-6	
	Plating	Nickel (Ni)	0.350	0.656%	7440-22-4	
Base	Ceramic	Alumina (Al ₂ O ₃)	25.567	47.938%	1344-28-1	
		Silicon Dioxide (SiO ₂)	1.809	3.392%	7631-86-9	
		Chromium Oxide (Cr ₂ O ₃)	0.997	1.869%	1308-38-9	
		Molybdenum (Mo)	0.130	0.244%	7439-98-7	
	Metallization	Tungsten (W)	2.438	4.570%	7440-33-7	
	Nickel Plating	Nickel (Ni)	0.488	0.914%	7440-02-0	
		Cobalt (Co)	0.173	0.325%	7440-48-4	
	Gold Plating	Gold (Au)	0.249	0.467%	7440-57-5	
	Seal Ring	Iron (Fe)	Iron (Fe)	3.250	6.094%	7439-86-6
			Nickel (Ni)	1.744	3.270%	7440-02-0
			Cobalt (Co)	1.018	1.909%	7440-48-4
	Silver Solder	Silver (Ag)	0.823	1.544%	7440-22-4	
		Copper (Cu)	0.141	0.264%	7440-50-8	
	IC	IC	Aluminum (Al)	0.001	0.002%	7429-90-5
			Silicon (Si)	0.530	0.993%	7440-21-3
Gold Wire		Gold (Au)	0.311	0.583%	7440-57-5	
Adhesive		Silver (Ag)	0.000204	0.000382%	7440-22-4	
		Epoxy	0.0000677	0.0001270%		
Crystal	Crystal	Quartz (SiO ₂)	1.268	2.377%	14808-60-7	
	Electrode	Silver (Ag)	0.021	0.039%	7440-22-4	
		Nickel (Ni)	0.000172	0.000323%	7440-02-0	
	Adhesive	Silver (Ag)	0.00040	0.00075%	7440-22-4	
		Silicon (Si)	0.000135	0.000254%	7440-21-3	
Total			53.333	100.000%		



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